



Library Management System

SOURCE CODE

AddBook.py

```
import os
import csv

def newBook():
    print("Add a new Book Record")
    print("~~~~~")
    f = open('library.csv', 'a', newline='\r\n')
    s = csv.writer(f)
    bookid = int(input('Enter book id:'))
    bookname = input('Enter book name:')
    bookauthor = input('Enter author name:')
    price = float(input('Enter price:'))
    copies = float(input('Enter number of copies:'))
    rec = [bookid, bookname, bookauthor, price, copies]
    s.writerow(rec)
    f.close()
    print("◆Book Record Saved◆")
    input("Press any key to continue..")
newBook()
|
```

ModifyBook.py

```
def modify():
    print("Modify a Book Record")
    print("~~~~~")
    f=open('library.csv','r',newline='\r\n')
    fl=open('temp.csv','w',newline='\r\n')
    fl=open('temp.csv','a',newline='\r\n')
    r=input('Enter bookid whose record you want to modify=')
    s=csv.reader(f)
    sl=csv.writer(fl)
    for rec in s:
        if rec[0]==r:
            print("-----")
            print("Book id=",rec[0])
            print("Book Name=",rec[1])
            print("Author=",rec[2])
            print("Price=",rec[3])
            print("Number of copies=",rec[4])
            print("-----")

            choice=input("Do you want to modify this Book Record(y/n)=")
            if choice=='y' or choice=='Y':
                bookid=int(input('Enter new book id='))
                bookname=input('Enter new book name=')
                bookauthor=input('Enter new author name=')
                price=float(input('Enter new price='))
                copies=float(input('Enter new number of copies='))
                rec=[bookid,bookname,bookauthor,price,copies]
                sl.writerow(rec)
                print("Book Record Modified")
            else:
                sl.writerow(rec)
        else:
            sl.writerow(rec)
    f.close()
    fl.close()
    os.remove("library.csv")
    os.rename("temp.csv","library.csv")

    input("Press any key to continue..")
```

DeleteBook.py

```
def delete():
    f=open('library.csv','r',newline='\r\n')
    fl=open('temp.csv','w',newline='\r\n')
    fl=open('temp.csv','a',newline='\r\n')
    r=input('Enter bookid whose record you want to delete')
    s=csv.reader(f)
    sl=csv.writer(fl)
    for rec in s:
        if rec[0]==r:
            print("-----")
            print("Book id=",rec[0])
            print("Book Name=",rec[1])
            print("Author=",rec[2])
            print("Price=",rec[3])
            print("Number of copies=",rec[4])
            print("-----")
            choice=input("Do you want to delete this Book Record(y/n)")
            if choice=='y' or choice=='Y':
                pass
                print("Book Record Deleted....")
            else:
                sl.writerow(rec)
        else:
            sl.writerow(rec)
    f.close()
    fl.close()
    os.remove("library.csv")
    os.rename("temp.csv","library.csv")

    input("Press any key to continue..")
```

Output

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Library Management System
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Main Menu
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1. Add a new Book Record
2. Modify Existing Book Record
3. Delete Existing Book Record
4. Search a Book
5. List all Books
- 6.Exit

Enter your choice1

Add a new Book Record

Enter book id:246

Enter book name:Panchantra

Enter author name:Varun\

Enter price:3987

Enter number of copies:55

◆Book Record Saved◆

Press any key to continue..h

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Library Management System
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```

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Main Menu
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```

1. Add a new Book Record
2. Modify Existing Book Record
3. Delete Existing Book Record
4. Search a Book
5. List all Books
- 6.Exit

Enter your choice2

Modify a Book Record

Enter bookid whose record you want to modify=246

Book id= 246

Book Name= Panchantra

Author= Varun\

Price= 3987.0

Number of copies= 55.0

Do you want to modify this Book Record(y/n)=number of copies= 80

Press any key to continue..

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Library Management System
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Main Menu
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```

1. Add a new Book Record
2. Modify Existing Book Record
3. Delete Existing Book Record
4. Search a Book
5. List all Books
- 6.Exit

Enter your choice4

Search a Book Record

Enter bookid you want to search246

Book id= 246

Book Name= Panchantra

Author= Varun\

Price= 3987.0

Number of copies= 55.0

Press any key to continue..4

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Library Management System

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👉 Main Menu 👈

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1. Add a new Book Record
2. Modify Existing Book Record
3. Delete Existing Book Record
4. Search a Book
5. List all Books
- 6.Exit

Enter your choice6

Software Terminated.....